

IN THE SPECIFICATION

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striketrough~~.

Please **REPLACE** the paragraph beginning at page 3, line 7, with the following paragraph:

(1) In the technology disclosed in Japanese Patent Laid-Open Publication No. HEI 6-070144, because the entire image is processed by the same algorithm, moiré or artifacts would be inevitable with the converted binary image. Further, during converting, since "the random spatial ~~filling~~ filling two-dimensional curve" can scan the entire image as if drawing with a single continuous stroke, it is impossible to take a parallel calculation, requiring huge processing time.